

## Vertical Multistage Pumps - CVM



### Features

- Motor: 2 Pole TEFC Type
- Single phase Motors- fitted with thermal overload protector (TOP)
- Max. Liquid Temperature: Upto 120 Degree Centigrade
- Cast iron parts coated with anti rust CEO coating

### Applications

- Boiler feed applications • High pressure pump in RO plants
- Pressure boosting and Air-Conditioning systems application
- Water lifting in high-rise buildings

### Material of Construction

- Inlet-Outlet Flanges : Cast Iron • Motor Body : Aluminium
- Shaft : SS 420 • Impeller, Diffuser and Outer Sleeve : SS 304

### Standard Specifications

- Head : Up to 215 meter (Max)
- Discharge : Up to 217 LPM (13 m<sup>3</sup>/hr)
- Power Range : 0.75 kW to 7.5 kW (1.0 HP to 10 HP)

Performance Chart : CVM 2 Series

Rating	Motor		No of Stages	Suc.X Del. mm	Discharge								
	kW	HP			(m <sup>3</sup> /hr)	1.0	1.2	1.6	2.0	2.4	2.8	3.2	3.5
					LPM	17	20	27	33	40	47	53	58
CVM2-7C	0.75	1.0	7	32 X 32	Head in Meter	59	57	55	50	46	42	37	33
CVM2-11C	1.1	1.5	11	32 X 32		92	90	85	80	73	65	55	49
CVM2-13C	1.5	2.0	13	32 X 32		110	107	102	95	85	76	65	56
CVM2-15C	1.5	2.0	15	32 X 32		127	124	117	109	99	88	75	66
CVM2-18C	2.2	3.0	18	32 X 32		154	150	143	134	122	118	92	78
CVM2-22C	2.2	3.0	22	32 X 32		187	184	175	163	149	131	110	93
CVM2-11C(3 PH)	1.1	1.5	11	32 X 32		92	90	85	80	73	65	55	49
CVM2-13C(3 PH)	1.5	2.0	13	32 X 32		110	107	102	95	85	76	65	56
CVM2-15C(3 PH)	1.5	2.0	15	32 X 32		127	124	117	109	99	87	75	66
CVM2-18C(3 PH)	2.2	3.0	18	32 X 32		154	150	143	134	122	118	92	78
CVM2-22C(3 PH)	2.2	3.0	22	32 X 32		187	184	175	163	149	131	110	93

Performance Chart : CVM 4 Series

Rating	Motor		No of Stages	Suc.X Del. mm	Discharge								
	kW	HP			(m <sup>3</sup> /hr)	1	2	3	4	4.5	5	6	7
					LPM	17	33	50	67	75	83	100	117
CVM4-4C(3PH)	0.75	1.0	4	32 X 32	Head in Meter	40	38	35	33	30	29	25	19
CVM4-5C(3PH)	1.1	1.5	5	32 X 32		50	48	45	40	39	36	30	24
CVM4-6C(3PH)	1.1	1.5	6	32 X 32		60	57	55	50	47	44	36	28
CVM4-8C(3PH)	1.5	2.0	8	32 X 32		80	75	71	65	62	59	49	37
CVM4-10C(3PH)	2.2	3.0	10	32 X 32		100	97	93	85	82	76	63	45
CVM4-16C(3PH)	3.0	4.0	16	32 X 32		158	152	144	133	125	118	99	74
CVM4-19C(3PH)	4.0	5.5	19	32 X 32		189	183	174	160	151	142	117	86
CVM4-22C(3PH)	4.0	5.5	22	32 X 32		215	208	197	184	175	164	139	105

Performance Chart : CVM 10 Series

Rating	Motor		No of Stages	Suc.X Del. mm	Discharge								
	kW	HP			(m <sup>3</sup> /hr)	5	7	8	9	10	11	12	13
					LPM	83	117	133	150	167	183	200	217
CVM10-4(3PH)	1.5	2.0	4	40 x 40	Head in Meter	40	39	38	36	34	31	29	26
CVM10-5(3PH)	2.2	3.0	5	40 x 40		50	48	45	43	41	38	35	31
CVM10-6(3PH)	2.2	3.0	6	40 x 40		61	55	54	51	50	45	40	37
CVM10-12(3PH)	4.0	5.5	12	40 x 40		121	114	110	104	98	90	81	72
CVM10-16(3PH)	5.5	7.5	16	40 x 40		162	155	149	140	131	121	110	99
CVM10-20(3PH)	7.5	10	20	40 x 40		202	192	186	175	165	152	137	120

Note : The motor ratings in HP are only indicative and for reference purpose

## Horizontal Multistage Pumps - CHM



### Features

- Single phase Motors- fitted with thermal overload protector (TOP)
- Class of insulation: F
- IP Protection: IP55
- Stainless steel impeller diffuser for corrosion resistance
- Suitable for maximum liquid temperature of 120°C
- Cast iron parts coated with anti rust CEO coating

### Applications

- Boiler feed applications
- Raw water feed application in RO plants etc.
- Pressure boosting and Air-Conditioning system application

### Material of Construction

- Impeller, Diffuser and Shaft: Stainless steel SS304
- Mechanical seal: Silicon Carbide vs. Silicon carbide
- Pump inlet outlet connection: Cast Iron

### Technical Specifications

- Head : Up to 55 meter (Max)
- Discharge : Up to 200 LPM
- Power Range : 0.37 kW to 2.2 kW (0.5 HP to 3.0 HP)

Performance Chart CHM 2

Rating	Motor		No of Stages	Suc.X Del. mm	Discharge								
	kW	HP			Flow (m <sup>3</sup> /hr)	0.5	1	1.5	2	2.5	3	3.5	4
CHM2-3C	0.37	0.5	3	25 X 25	Head in Meter	25	23	21.5	19	16	14	10	6
CHM 2-4C	0.55	0.75	4	25 X 25		36	35	32	28	26	23	17	12
CHM2-5C	0.55	0.75	5	25 X 25		44	40	38	36	30	25	19	13
CHM 2-6C	0.75	1.0	6	25 X 25		55	50	48	42	38	32	25	15

Performance Chart CHM 4

Rating	Motor		No of Stages	Suc.X Del. mm	Discharge								
	kW	HP			Flow (m <sup>3</sup> /hr)	1	2	3	4	4.5	5	6	7
CHM4-2C	0.55	0.75	2	32 X 25	Head in Meter	19	17	16	15	14	12	10	9
CHM 4-4C*	0.75	1.0	4	32 X 25		37	36	34	30	28.5	26.5	22	20
CHM 4-5C(3PH)	1	1.35	5	32 X 25		46	44	42	39	38	34	29	27
CHM 4-6C*	1.1	1.5	6	32 X 25		55	51	46	45	44	42	37	32

Performance Chart CHM 8

Rating	Motor		No of Stages	Suc.X Del. mm	Discharge								
	kW	HP			Flow (m <sup>3</sup> /hr)	2	4	6	7	8	9	11	12
CHM 8-3C*	1.85	2.5	3	40 X 32	Head in Meter	52	48	43	39	35	31	20	15
CHM 8-4C*	2.2	3.0	4	40 X 32		68	63	54	50	44	38	26	18

- Note : 1. \* Also available in 3 PH  
 2. The motor ratings in HP are only indicative and for reference purpose

## Horizontal Multistage Pumps - CHD



### Features

- Fitted with Thermal Overload Protector
- IP Protection : IP 55 • Insulation class F
- Fully SS pump construction suitable for corrosive liquids
- Suitable for maximum liquid temperature of 120°C

### Applications

- Industrial processes and to handle process water
- Boiler feed applications
- Raw water feed application in RO plants etc.

### Material of Construction

- Pump Casing, Diffuser: Stainless Steel (SS304)
- Mechanical Seal: Silicon carbide (Suitable for 120°C)
- Shaft: Stainless Steel (Ss304)

### Standard Specifications

- Range : 0.37 kW to 1.1 kW (0.5 HP to 1.5 HP)
- Pipe Size : 25 mm x 25 mm, 32 mm x 25 mm
- Liquid : Clear Water

Performance Chart CHD2

Rating	Motor		No of Stages	Suc.X Del. mm	Discharge								
	kW	HP			(m <sup>3</sup> /hr)	0.5	1	1.2	1.6	2	2.4	3.2	3.5
					LPM	8	17	20	27	33	40	53	58
CHD2-2S	0.37	0.5	2	25 X 25	Head in Meter	17	16	16	15	14	12	9	7
CHD2-3S	0.37	0.5	3	25 X 25		26	25	24	23	21	19	14	12
CHD2-4S	0.55	0.75	4	25 X 25		35	34	31	30	26	25	20	17

Performance Chart CHD 4

Rating	Motor		No of Stages	Suc. X Del mm	(m <sup>3</sup> /hr)	Discharge							
	kW	HP				1	2	3	4	4.5	5	6	7
					LPM	17	33	50	67	75	83	100	117
CHD4-4S	0.75	1.0	4	32 X 25	Head in m	37	36	35	32	29	28	25	15
CHD4-4S(3PH)	0.75	1.0	4	32 X 25		37	36	35	32	29	28	25	15
CHD4-6S	1.1	1.5	6	32 X 25		55	51	46	45	44	42	37	32
CHD4-6S(3PH)	1.1	1.5	6	32 X 25		55	51	46	45	44	42	37	32

Note : The motor ratings in HP are only indicative and for reference purpose

After Sales Service Helpline 1800-419-0505

### Registered Office

Equinox Business Park, 1st Floor, Tower 3, East Wing,  
LBS Marg, Kurla (W), Mumbai 400070, India  
W: www.crompton.co.in  
CIN No.: L31900MH2015PLC262254

### Crompton Greaves Consumer Electricals Limited Pumps Division

Plot No. C-19, MIDC, Ahmednagar 414 111  
T: +91 241 6606 500